AMENDMENTS TO THE CLAIMS

1 - 37 (canceled)

38 (currently amended). Method of vaccinating-I eliciting an IgA response in a mammal in an animal comprising administering orally to the animal a composition comprising a nucleic acid operatively encoding an antigen complexed with or entrapped within liposomes formed from liposome forming components comprising

- a) at least one cationic compound
- b) zwitterionic phospholipid consisting of one or two compounds having the general formula II

$$\begin{array}{c} O^{\ominus} \\ | \bigcirc \\ R^{3}COOCH_{2}CH(OCOR^{4})CH_{2}O-P-Y-R^{7} X^{2}R^{8}_{m} \end{array} \qquad II \\ \\ O$$

in which R^3 and R^4 are the same or different and are a group of the formula $CH_3(CH_2)_e(CH=CH-CH_2)_{g-}$ in which f is 0 to 6, each of e and g + 3f are 0 to 23 and e + g is in the range 12 to 23;

 ${\rm R}^7$ is a ${\rm C}_{1\text{--}8}$ alkanediyl group;

Y is -O- or a bond;

 X^2 is N, P or S;

m is 3 when X^2 is N or P and is 2 when X^2 is S; and

the groups R^8 are the same or different and are selected from the group consisting of hydrogen, C_{1-8} alkyl, C_{6-11} aryl or aralkyl, or two or three of the groups

 \mathbb{R}^8 together with \mathbb{X}^2 form a saturated or unsaturated heterocyclic group having 5 to 7 ring atoms;

in which at least 50% 25% by mole of the individual liposome forming components have a transition temperature of more than 40° C groups R^3 and R^4 has a value for f of 0 and which comprises a compound in which R^3 and R^4 are the same and have a value for f of 0,

wherein the molar ratio of cationic compound to zwitterionic phospholipid is in the range 1:1 to 1:10,

whereby an immune IgA response to the said antigen is generated.

39 (previously presented). A method according to claim 38 in which the cationic compound has the general formula I,

$$R^{1}OCH_{2}CH(OR^{2})CH_{2}R^{5}X^{1}R^{6}_{n}$$
 I

in which R^1 and R^2 are the same or different and are a group of the formula $CH_3(CH_2)_a(CH=CH-CH_2)_b(CH_2)_c(CO)_d$ in which b is 0 to 6, a and c are each selected from 0-23 and (a + c + 3b) is in the range 12-23 and d is 0 or 1;

 R^5 is a bond or a C_{1-8} alkanediyl group;

 X^1 is N, P or S;

n is 3 where X^1 is N or P and is 2 where X^1 is S; and

the groups R^6 are the same or different and are selected from the group consisting of hydrogen, C_{1-8} alkyl, C_{6-12} aryl and aralkyl, or two or three of the groups R^6 together with X^1 form a saturated or unsaturated heterocyclic group having 5 to 7 ring atoms.

40 (previously presented). A method according to claim 39 in which R^1 is the same as R^2 and R^3 is the same as R^4 .

41 (previously presented). A method according to claim 40 in which ${\rm R}^1$ and ${\rm R}^2$ represent a different group to ${\rm R}^3$ and ${\rm R}^4$.

42 (previously presented). A method according to claim 40 in which R^1 and R^2 represent a different group to R^3 and R^4 , in which in R^1 and R^2 , b is 1, and in which (a+c) is in the range 10 to 20.

43 (previously presented). A method according to claim 38 in which the liposome forming materials comprise two zwitterionic phospholipids in each of which Y is O, X^2 is N, and the groups R^8 of the first phospholipid are all hydrogen and the groups R^8 of the second phospholipid are all C_{1-14} alkyl, and R^7 is $(CH_2)_h$ in which h is 2 or 3.

44 (previously presented). A method according to claim 43 in which the groups R^3 and R^4 of the said first phospholipid are the same and each is a group in which f is 1 and (e + g) is in the range 10 to 20.

45 (currently amended). A method according to claim 44 in which in the groups R^3 and R^4 of the said second phospholipid are the same and each is a group in which f is 0 and e+ g is in the range 15 to 23.

46 (previously presented). A method according to claim 45 in which the said second zwitterionic phospholipid is selected from the group consisting of

distearoylphosphatidylcholine, distearoylphosphatidylethanolamine, diplamitoylphosphatidylcholine and dipalmitoylphosphatidylethanolamine.

47 (previously presented). A method according to claim 38 in which the cationic compound is cholesterol-3ÿ- N-(dimethyaminoethyl) carbamate.

48 (previously presented). A method according to claim 38 in which the nucleic acid is entrapped within the liposomes.

- 49 (New). A method according to claim 38 in which the mammal is a human.
- 50 (New). A method according to claim 38 in which in the groups ${\rm R}^3$ and ${\rm R}^4$ of at least one phospholipid are the same.
 - 51 (New). A method according to claim 50 in which the mammal is a human.
- 52 (New). A method according to claim 51 in which at least 50% by mole of the individual liposome forming components have a transition temperature of more than 40°C.
- 53 (New). A method according to claim 50 in which there are two phospholipid compounds and the groups \mathbb{R}^3 and \mathbb{R}^4 in each phospholipid are the same.
- 54 (New). A method according to claim 38 in which at least 50% by mole of the individual liposome forming components have a transition temperature of more than 40° C.

55 (New). A method according to claim 39 in which in the groups ${\rm R}^3$ and ${\rm R}^4$ of at least one phospholipid are the same.

- 56 (New). A method according to claim 55 in which the mammal is a human.
- 57 (New). A method according to claim 55 in which there are two phospholipid compounds and the groups R^3 and R^4 in each phospholipid are the same.